

## SPECIFICATON AMENDMENTS

Please amend paragraph [0012] as follows:

-- It is an additional aspect of the present invention to provide for a permalloy magnetic sensor, which utilizes at a minimum, only one permalloy runner and does not require a current for operations thereof. The aforementioned aspects of the invention and other objectives and advantages can now be achieved as described herein. A magnetic sensor is disclosed in which a ferromagnetic runner (e.g., a permalloy runner) having a shape anisotropy (i.e., an anisotropic shape) can be located relative to a target. A coil structure can be generally wound about the ferromagnetic runner, such that when a magnetic field changes direction along an axial length of the ferromagnetic runner (e.g., above a certain level,  $H_c$ ), a voltage is induced in the coil structure that is proportional to a time range of change of a magnetic flux thereof. --